

IN THE CLAIMS

The following is a complete listing of the claims, which replaces all previous versions and listings of the claims.

1. (previously presented) A medical diagnostic system, comprising:

a plurality of medical diagnostic components communicatively coupled via communications circuitry; and

a dynamic configuration system for the plurality of medical diagnostic components, comprising:

a configuration data distributor of multi-component configuration data to the plurality of medical diagnostic components, wherein the multi-component configuration data includes a file having application-specific information for at least two medical diagnostic components of the plurality of medical diagnostic components;

a plurality of multi-component configuration data receivers, wherein each of the at least two medical diagnostic components of the plurality of medical diagnostic components includes a respective multi-component configuration data receiver of the plurality of multi-component configuration data receivers to allow each of the at least two medical diagnostic components to receive the file having application-specific information for all of the at least two medical diagnostic components;

a plurality of component-specific data extractors of the multi-component configuration data, wherein each of the at least two medical diagnostic components of the plurality of medical diagnostic components includes a respective component-specific data extractor of the plurality of component-specific data extractors to enable each

of the at least two medical diagnostic components to identify a relevant portion of the multi-component configuration data specific to the respective medical diagnostic component and to extract the relevant portion for use with the respective medical diagnostic component;

a plurality of configuration data processors, wherein each of the at least two medical diagnostic components of the plurality of medical diagnostic components includes a respective configuration data processor of the plurality of configuration data processors to facilitate configuration of each of the at least two medical diagnostic components based on the relevant portion of the multi-component configuration data extracted by the component-specific data extractor of the respective medical diagnostic component.

2. (original) The medical diagnostic system of claim 1, wherein the plurality of medical diagnostic components comprise imaging components.

3. (original) The medical diagnostic system of claim 2, wherein the imaging components comprise magnetic resonance imaging components.

4. (original) The medical diagnostic system of claim 2, wherein the imaging components comprise computed tomography components.

5. (original) The medical diagnostic system of claim 2, wherein the imaging components comprise ultrasound components.

6. (original) The medical diagnostic system of claim 2, wherein the imaging components comprise x-ray components.

7. (original) The medical diagnostic system of claim 1, wherein the dynamic configuration system is operable at runtime of the medical diagnostic system.

8. (original) The medical diagnostic system of claim 1, wherein the dynamic configuration system is architecture independent.

9. (original) The medical diagnostic system of claim 1, wherein the dynamic configuration system is operable within a plurality of medical modalities for cross-modality deployment.

10. (canceled)

11. (original) The medical diagnostic system of claim 1, wherein the configuration data distributor comprises an event-triggered broadcasting system.

12. (previously presented) The medical diagnostic system of claim 1, wherein the plurality of component-specific data extractors comprise a component-specific application separator.

13. (previously presented) The medical diagnostic system of claim 1, wherein the plurality of configuration data processors comprise a script interpreter for the multi-component configuration data.

14. (original) The medical diagnostic system of claim 1, wherein the dynamic configuration system comprises a distribution triggering system.

15. (original) The medical diagnostic system of claim 14, wherein the distribution triggering system comprises a user interface.

16. (original) The medical diagnostic system of claim 14, wherein the distribution triggering system comprises an application event response system.

17. (original) The medical diagnostic system of claim 14, wherein the distribution triggering system comprises a global mode monitoring system.

18. (original) The medical diagnostic system of claim 14, wherein the distribution triggering system comprises a component status monitoring system.

19. (original) The medical diagnostic system of claim 1, wherein the dynamic configuration system comprises a script generation system for the multi-component configuration data.

20. (previously presented) The medical diagnostic system of claim 1, wherein the configuration data distributor is disposed on at least one of the plurality of medical diagnostic components and the plurality of component-specific data extractors are disposed on remaining components of the plurality of medical diagnostic components.

21. (previously presented) The medical diagnostic system of claim 20, wherein the plurality of configuration data processors include a respective configuration data processor disposed on each of the remaining components.

22–65. (canceled)